

Rotary



RIMEX IA 2026
San Miguel de Allende
del 26 al 28 de febrero



Nombre: Esteban Ramírez

Tema: Conservation and
Restoration of the Sierra de
Tepotzotlán Water Security



Rotary Club Izcalli




Community Needs

5 years of continuous work in the Sierra de Tepetzotlán with diverse stakeholders, building a strong understanding of local needs.

For this grant: 2 interviews, 1 survey, and 1 meeting with ~100 participants including local and state authorities, community groups, farmers, families, and other Sierra users to define priority needs.





- **Water scarcity is worsening**, forcing families to spend more time and money buying water more US \$120.00 monthly, representing a **1/4** of their income.

- **Deforestation** has reduced natural water infiltration 35%, causing rapid runoff during rainfall **lossing 280,000,000 L (280 ML)**.

- **Wildfire** have become more frequent and harder, leaving the land dry and damaged, and **making us feel more vulnerable**.

- **Communities are willing to restore and protect the land but need training, coordination, and joint action.**



The project is directly aligned with the Water, Sanitation and Hygiene (WASH) focus area by: Improving the protection and availability of water resources.


The largest natural area in northern Mexico City

13,000 hectares/ 32123.7 acre

- Promoting water infiltration to replenish water wells.
- Protection to hydrographic basin.
- Strengthening long-term community-based water management.
- Providing a direct response to the community diagnosis.
- Building local capacity and measuring impact.



Impact

- 
- 30 people trained 50% men and 50% women.
 - 4 dams with a capacity up to 313,000 m³ in Communal land (ejido) in collab with State Environment Secretary.
 - Environment compensation 1100 trees.



Outcome:

- Reduction of household expenses for pipes in 50%.
- Replenish water wells in 20%.
- More than 50 vulnerable farmers.
- More than 11,100 inhabitants linked to the availability and quality of water.



Sustainability



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Activity	Responsable	Description
Construction and maintenance	Communitary brigades (Whit a chief and command	General infrastructure maintenance, desilting
Accountability reports	Brigades report, authorities report	
Contingencia de lluvias torrenciales	SMA estatal	Monitoreo y aviso a brigadas
Contingencia de incendio forestal	SMA estatal	Monitoreo y aviso a brigadas
Permanent monitoring	Gobierno del estado y comunidad	Monitoreo y registro de actividades en el área

Active community participation.

Success Indicators

- Number of structures built and fully functional.
- Visible reduction in erosion and sediment runoff.
- Improved water infiltration and retention.
- A trained and organized community capable of maintaining the structures.

Budget



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No.	Categoria	CONCEPT	Proveedor	COSTO MXN	COSTO US\$
1	Supply	3 gabion dams, 1 masonry dam	Local suppliers and local manpower	1,215,858.50	67,547.70
2	Supply	Preliminary work (Site preparation, logistics)	Local suppliers and local manpower	176,991.50	9,832.90
3	Supply	3 supervisory staff for monitoring	Ecopil Creación Arte y Conciencia A.C.	288,000.00	16,000
4	Service	Exchange of experience with Rarámuri dam builders (Chihuahua)	Tarahumaras skilled labor	79,000.00	4,388.89
5	Supply	Environmental mitigation (reforestation of 1100 trees)	Bioforestal Innovación Sustentable S.C.	99,000.00	5,500
6	Service	Training (Skilled labor authorities)	State Environment Secretary	0.00	0.00
7	Service	Administrative cost	Ecopil	92,942.5	5,163.50
Total amount				1,951,792.50	108,432.90

**Dollar exchange rate \$18



Planificador del financiamiento de subvenciones globales

Nº de solicitud de la subvención global

Pais en que se llevará

a cabo el **México**

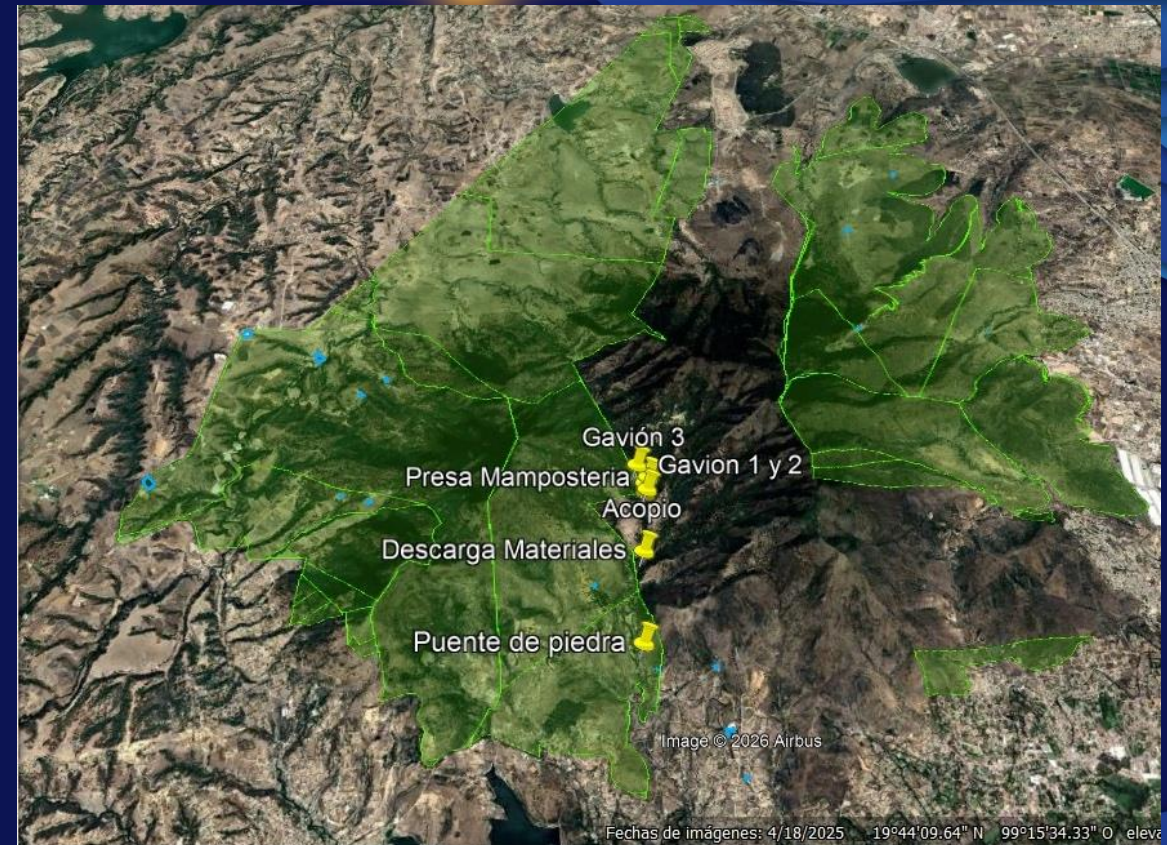
	FDD (USD)	Efectivo remitido al proyecto (Equiv USD)	Efectivo a través de LFR (Equiv USD)			
			Efectivo del proyecto	5%	Total a LFR	
1. Clubes/Distritos patrocinadores locales						
DDF District 4170	\$ 10,000	\$ -	\$ -	\$ -	\$ -	
Rotary Club Local			13,012	651	13,663	
Total de contribuciones de los patrocinadores locales	\$ 10,000	\$ -	\$ 13,012		\$ 23,012	35%
2. Clubes/Distritos patrocinadores internacionales						
District Internacional H2H	\$ 32,000	\$ -	\$ -	\$ -	\$ -	
District Internacional Other	11,012					
Total de contribuciones de los patrocinadores internacionales	\$ 43,012	\$ -	\$ -		\$ 43,012	65%¹
	\$ 53,012	\$ -	\$ 13,012	contribuciones de los rotarios	\$ 66,024	100%
3. Contrapartida del Fondo Mundial de LFR (80% del FDD)	\$ 42,410			Contrapartida del Fondo Mundial:	42,410	²
4. Fondo de dotación/Donación dirigida #			\$ -	(5 % NA)	-	
5. Fondos designados por los donantes de La Fundación Rotaria			\$ -	(5 % NA)	-	
				Total de financiamiento de la subvención global	\$ 108,434	³
6. Otros donantes (sin fondos de contrapartida)						
			\$ -		\$ -	
			-		-	
			-		-	
			-		-	⁴
Total de financiamiento del proyecto (debe ser igual al presupuesto)					\$ 108,434	



Funding

Protects 13,000 hectares...

- Contribution from the host Rotary Club
USD \$13,012.00
- Contribution from the Distric 4170
USD\$10,000.00
- Participation of international partner Heart
to hearth USD \$32,000.00
- **Participation of international partner**
USD \$11,012.00
- Total Budget US \$108,432.90



more than 130,000
surrounding inhabitants

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